

Message

From: Heather McMahon [hcmahon@ktunaxa.org]
Sent: 1/17/2020 10:12:38 PM
To: Ryan-Aylward, Michel ENV:EX [Michel.RyanAylward@gov.bc.ca]; '(david.janz@usask.ca)' [david.janz@usask.ca]; '(joseph_skorupa@fws.gov)' [joseph_skorupa@fws.gov]; DavidD@windwardenv.com; Erin Sexton [erin.sexton@umontana.edu]; Genny Hoyle [genhoyle@kootenai.org]; Jesse Sinclair [jsinclair@lgl.com]; Beaman, Joe [Beaman.Joe@epa.gov]; Jenni, Karen E [kjenni@usgs.gov]; 'Kelly, Myla' [MKelly2@mt.gov]; Sullivan, Lauren [Lauren.Sullivan@mt.gov]; Reddekopp, Sheldon ENV:EX [Sheldon.Reddekopp@gov.bc.ca]; Presser, Theresa S [tpresser@usgs.gov]
Subject: RE: SeTSC Dec 18 Meeting Summary & Homework
Attachments: Copy of table_fish_criteria.knc.xlsx

Good afternoon SeTSC colleagues,

In trying to short list the species for modelling KNC would like to share our current list (and rationale):

1. Northern pikeminnow: should be included as no other species has similar diet/feeding preferences (as noted by Joe Beaman – are piscivorous and have large home range) and Teck is working to generate toxicity data for this species this year (should be able to incorporate).
2. Sucker: we are comfortable with modelling either the largescale or longnose (allowing the selected species to be the surrogate for the other). (David DeForest indicated on the call that he thought there was more information on largescale sucker)
3. Red side shiner: we are comfortable with redside shiner being the surrogate for peamouth chub (the two are similar in terms of feeding preferences and current data show somewhat similar selenium burdens (RSC appears to be slightly higher). We would need to apply the WQG to PMC or assume similar sensitivity as RSC)
4. Bull trout: culturally important; considering special status we should demonstrate that the WQC will be protective of these species.
5. Burbot: culturally important, declining numbers, human consumption.
6. Westslope Cutthroat Trout: culturally important; we have toxicity data; and, this species spends time in northern part of reservoir (closest to higher diet exposure).
7. Rainbow Trout: our current thinking is that these Rainbow Trout and Kokanee may similar in terms of feeding preferences and likely distribution throughout the reservoir. Should be kept even though might be similar to Kokanee due to Rainbow trout being a spring spawner.
8. Kokanee: our current thinking is that these Rainbow Trout and Kokanee may similar in terms of feeding preferences and likely distribution throughout the reservoir. Should be kept even though might be similar to Rainbow Trout because Kokanee is a fall spawner.
9. Mountain whitefish: this species is culturally important and is important for human consumption.
10. White sturgeon: this species is culturally important and is the most sensitive species known in terms of selenium sensitivity, so important to understand whether the WQC will be protective downstream.

We are comfortable letting yellow perch, lake trout, pumpkinseed, bass, bluegill, and brook trout be left off the short list based on our understanding of them as invasive species.

We are uncertain of including northern pike and longnose dace – and appreciate and insights that others might be willing to share on these two species in terms of their relevance in the reservoir (i.e., we believe northern pike are not native to this part of MT?).

Please see attached for our updated table. Mich, the dates listed below work for both Jesse and I.

Thanks and have a good weekend,

Heather and Jesse

From: Ryan-Aylward, Michel ENV:EX [mailto:Michel.RyanAylward@gov.bc.ca]
Sent: January 14, 2020 9:17 AM
To: '(david.janz@usask.ca)' <david.janz@usask.ca>; '(joseph_skorupa@fws.gov)' <joseph_skorupa@fws.gov>; 'David DeForest (davidd@windwardenv.com)' <davidd@windwardenv.com>; Erin Sexton <erin.sexton@umontana.edu>; Genny Hoyle <genhoyle@kootenai.org>; Heather McMahon <hcmahon@ktunaxa.org>; Jesse Sinclair <jsinclair@lgl.com>; 'Joe Beaman (Beaman.joe@epa.gov)' <Beaman.joe@epa.gov>; 'Karen Jenni (kjenni@usgs.gov)' <kjenni@usgs.gov>; 'Kelly, Myla' <MKelly2@mt.gov>; Lauren Sullivan MT DEQ <Lauren.Sullivan@mt.gov>; Reddekopp, Sheldon ENV:EX <Sheldon.Reddekopp@gov.bc.ca>; 'Theresa Presser (tpresser@usgs.gov)' <tpresser@usgs.gov>
Subject: RE: SeTSC Dec 18 Meeting Summary & Homework
Importance: High

Good morning,

Reminder that your responses on the following are due this Friday (Jan 17)

1. Comments on list of target species – Reply All (see list at bottom of Dec 18 summary)
2. Input on the fish criteria table – Reply All (attached)
3. Confirm your availability for the proposed 2020 meeting dates – to Mich and co-chairs:
 - Wed Feb 12 12:30-2:00pm PST / 1:30-3:00p MST (*Revised from Tues Feb 11 - 12:30-2:00pm PST / 1:30-3:00p MST*)
 - Tues Mar 10 - 12:30-2:00pm PST / 1:30-3:00p MST
 - Tues Apr 14 - 12:30-2:00pm PST / 1:30-3:00p MST
 - Tues May 12 - 12:30-2:00pm PST / 1:30-3:00p MST

Agenda for next week's meeting also attached.

I'll send another message shortly to circulate the January agenda and December summary to the broader group, apologies for the duplication.

Thanks,
Mich

From: Ryan-Aylward, Michel ENV:EX
Sent: Thursday, January 2, 2020 10:15 AM
To: '(david.janz@usask.ca)'; '(joseph_skorupa@fws.gov)'; 'Dave Naftz (dlnaftz@usgs.gov)'; 'David DeForest (davidd@windwardenv.com)'; Erin Sexton; Genny Hoyle; Heather McMahon (hcmahon@ktunaxa.org); Jesse Sinclair; 'Joe Beaman (Beaman.joe@epa.gov)'; 'Karen Jenni (kjenni@usgs.gov)'; 'Kelly, Myla'; Lauren Sullivan MT DEQ; Reddekopp, Sheldon ENV:EX; 'Theresa Presser (tpresser@usgs.gov)'
Subject: RE: SeTSC Dec 18 Meeting Summary & Homework
Importance: High

Good morning everyone and happy new year!

Friendly reminder to please review the message below in case you missed it over the holidays and to note the following deadlines for input:

- **Due January 9:**
 - ~~Comments on Dec 18 meeting summary – to Mich and co-chairs~~
- **Due January 17:**
 - Comments on list of target species – Reply All
 - Input on the attached fish criteria table – Reply All
 - Confirmation for the proposed 2020 meeting dates – to Mich and co-chairs
- **Next meeting:**
 - January 21

Thanks,

Mich

From: Ryan-Aylward, Michel ENV:EX

Sent: Thursday, December 19, 2019 10:02 AM

To: (david.janz@usask.ca); (joseph_skorupa@fws.gov); Dave Naftz (dlnaftz@usgs.gov); David DeForest (davidd@windwardenv.com); Erin Sexton; Genny Hoyle; Heather McMahon (hcmahon@ktunaxa.org); Jesse Sinclair; Joe Beaman (Beaman.joe@epa.gov); Karen Jenni (kjenni@usgs.gov); Kelly, Myla; Lauren Sullivan MT DEQ; Sheldon Reddekopp ENV:EX; Theresa Presser (tpresser@usgs.gov)

Subject: SeTSC Dec 18 Meeting Summary & Homework

Importance: High

Sent on behalf of the SeTSC Co-Chairs

Good morning SeTSC members,

Thank you for your participation on yesterday's SeTSC call. There are a number of homework items for you in this message:

- Please find attached the meeting summary for yesterday's SeTSC meeting for your review.
 - At the bottom you'll see the draft list of target species. We'll be working to narrow this list further on the January call.
 - **Please send Mich and the Co-Chairs your comments/edits on the Dec 18 meeting summary by Thursday January 9, 2019**
 - **Please reply-all with your comments/thoughts on the list of target species by Friday January 17, 2019**
- Also attached is the fish criteria table, updated based on yesterday's discussion.
 - Please add to the table – some areas are left blank where we were uncertain.
 - As discussed yesterday, this is part of initiating a dialogue over e-mail in between calls on key decisions.
 - **Please reply-all with your input on this table by Friday January 17.**
- As discussed yesterday, we've scheduled the January SeTSC meeting, and below we've proposed revised dates for the meetings in February through to May.
 - **Please let Mich and the co-chairs know by Friday January 17 whether or not you can make these dates:**
 - Tues Feb 11 - 12:30-2:00pm PST / 1:30-3:00p MST
 - Tues Mar 10 - 12:30-2:00pm PST / 1:30-3:00p MST
 - Tues Apr 14 - 12:30-2:00pm PST / 1:30-3:00p MST
 - Tues May 12 - 12:30-2:00pm PST / 1:30-3:00p MST

I will send a reminder email about these items on January 2nd in case this message gets lost in the holiday shuffle. For clarity, deadlines reiterated below:

- **Due January 9:**
 - Comments on Dec 18 meeting summary – to Mich and co-chairs
- **Due January 17:**
 - Comments on list of target species – Reply All
 - Input on the attached fish criteria table – Reply All
 - Confirmation for the proposed 2020 meeting dates – to Mich and co-chairs
- **Next meeting:**
 - January 21

FYI regarding the SeTSC face-to-face summary, we've received comments and will accept those changes and finalize the document for distribution to the broader LKMRWG soon, along with the MRC face-to-face summary and the follow-up information that was requested during the MRC day. Hoping to get that out before Christmas but more likely it will be

early in the new year as we finalize a few details for the follow-up information items. If you have comments on the face-to-face SeTSC summary and you haven't sent them yet, please do so ASAP.

Thanks again for your continued participation and support. We look forward to continuing our discussions on the January 21 call.

Happy holidays!

Sincerely

Lauren Sullivan & Sheldon Reddekopp

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